



Galileo ArKion Systems

Resource Management and Savings from Smart Metering Systems

Two-Way Fixed Network Solution



Galileo: The most versatile AMI fixed network solution available.

Galileo is the most full featured and flexible two-way, fixed network AMI solution available today. Galileo completely automates obtaining water/gas/electric meter readings and billing.

Galileo enables overall improvements in utility management and conservation which result in real revenue generation and improved customer satisfaction.

The Galileo AMI System is built from three main components: A Host Server, Device Communication Module (DCOM) and a Central Communications Module (CCOM).

The DCOM connects to the local meter (Electric, Water, Gas) and collects data for upload to the system. Each DCOM can have multiple devices connected to it enabling the cost advantage of using a single network for collecting data for several commodities.

The DCOM uploads its data to the system on demand through a two way RF link to the CCOM. After the CCOM has collected data from the network of DCOMs, this information is then sent on to the Host Server for processing and storage. A CCOM can connect to the Host Server in a variety of different ways in order to allow the utility to choose a system that best meets their needs. Wireless Internet connections such as GSM and GPRS and well as wired modem dial-up, Ethernet, and Wi-Fi connections are all supported.

A user friendly web-based UI (user interface) resident on the host server allows utilities to easily manage and monitor their entire Galileo system. The user interface can be accessed from anywhere via virtually any internet capable device. Individual user rights can easily be configured in order to protect access to the system.

The UI can be used to generate billing reports, view demand graphs, assess and map outages and much more. ArKion can also customize the UI to the meet special customer needs. For instance, billing data obtained from Galileo can be seamlessly flowed into the utilities' existing billing system software.

Galileo is capable of alerting the user of abnormal conditions such as meter communication failure, water theft, leak detection and a host of other user configurable alerts. These alerts can be viewed while using the UI or notification can be sent via email or other means to a specified user(s).

The open architecture of Galileo eliminates the need for proprietary hardware and guarantees the longevity of the system. New hardware (such as meters) can be easily added to Galileo.

Galileo also assures that data will be secure and protected from intrusion. All data communications are encrypted to provide the highest level of security. Secure connections to the Host Server's UI are employed in addition to user authentication.

Overall, the Galileo fixed network AMI solution is a secure, reliable, expandable, customizable and cost efficient system that satisfies the metering and energy management needs of any size utility.

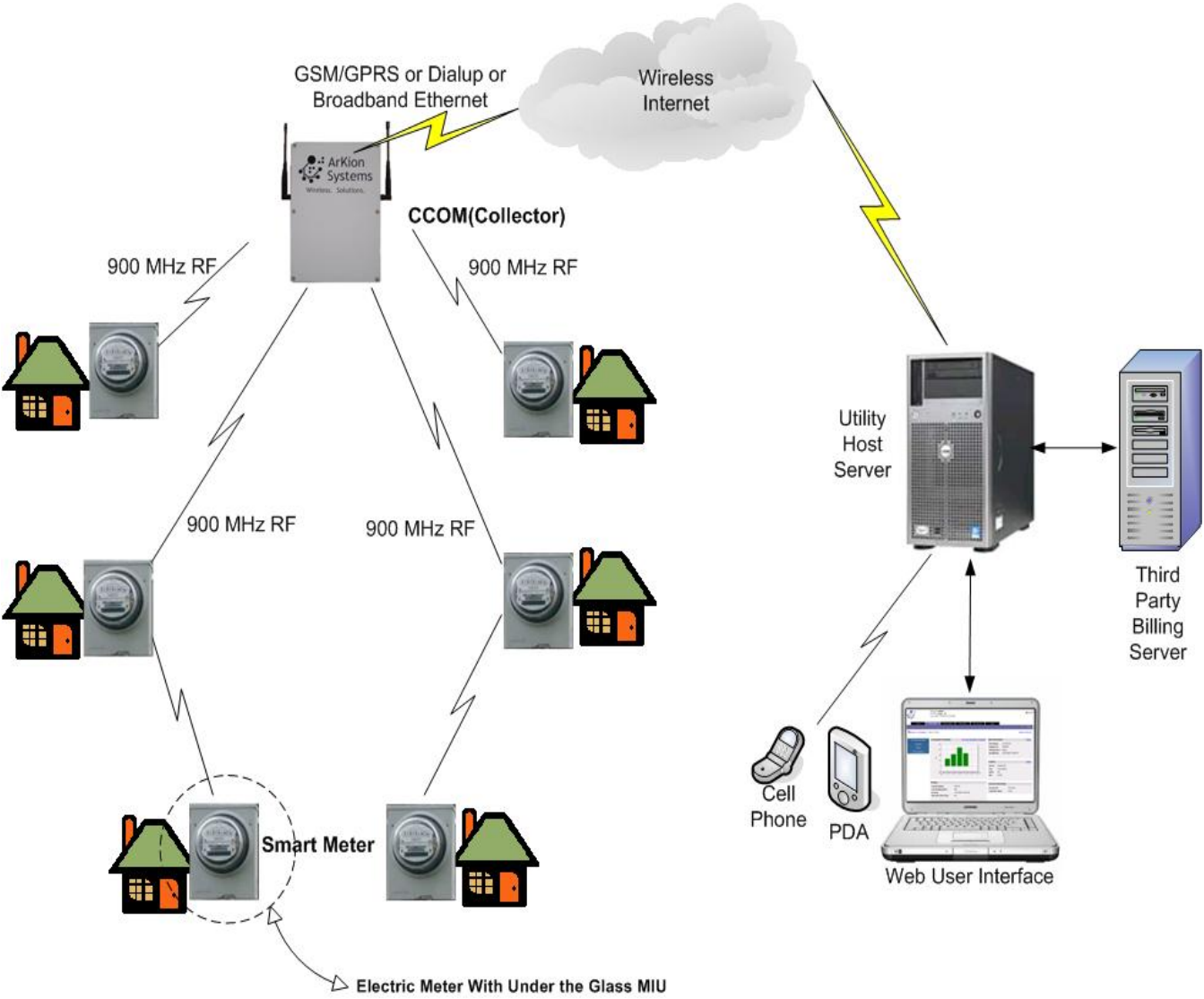
Features:

- ✓ Automates all meter reading.
- ✓ Same infrastructure simultaneously supports Electric, Water or Gas data collection
- ✓ Automates all billing.
- ✓ Automated report generation.
- ✓ Automated water loss detection.
- ✓ On-demand meter reading, allowing any meter to be read at any time.
- ✓ Time of use billing.
- ✓ Simple account management.
- ✓ Secure and reliable data communication.
- ✓ Enables a meter to be temporarily marked inactive.
- ✓ Aids in tamper, theft and leak detection.
- ✓ FCC and UL approved.

Contact ArKion Systems to qualify for free field trial of Galileo.

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